

MS158.75mm 120 Cells 325 ~ 345 W

Half-Cell High Efficiency Full black PV Module



Comprehensive Products and System Certificates

IEC 61215 / IEC 61730 / CE

ISO 9001: 2015 / Quality management system



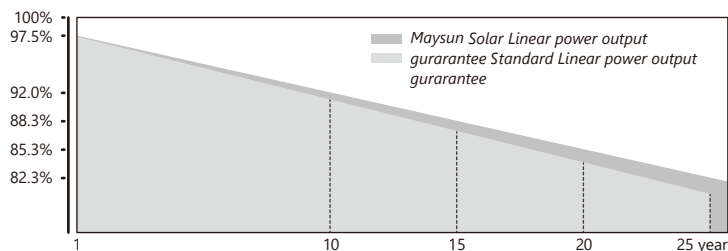
Quality Guarantee

12-year

Material & technology warranty

25-year

Linear power output warranty



**Max Module
Efficiency**

20.45%



Half-cell & High eff.

9BB Half-cell technology,
Higher output power



Less Shading Effect

Unique circuit design,
Minimize shading effect



Lower Temperature

Lower temperature coe-
fficient, Lower hot spot
temperature



Weather Resistance

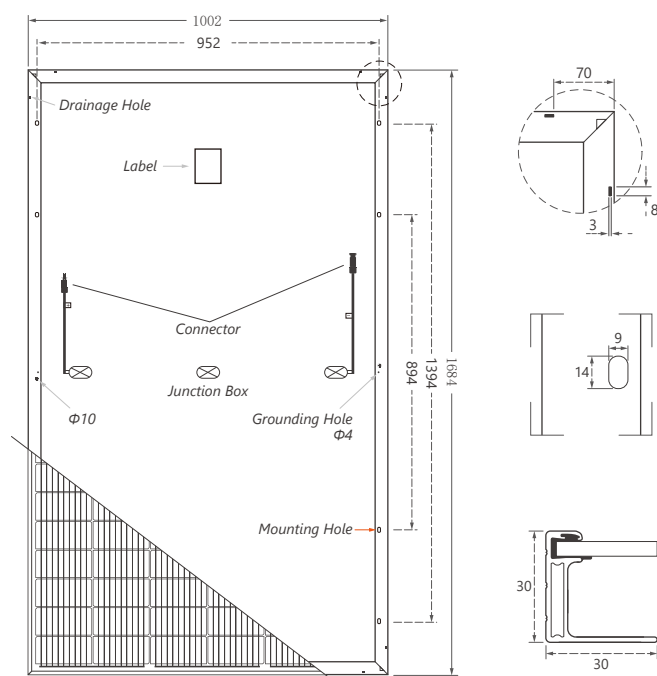
Pass Anti PID test. 100%
double EL test, Minimizes
micro-cracks



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Specifications and designs included in this datasheet are subject to change without notice.

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Design



Mechanical Specification

Cells Type	Mono 158.75×79.375mm
Weight	19kg
Dimension (L×W×T)	1684×1002×30mm
Cable	4.0mm ² , Portrait: 300mm(+)/400mm(-) Landscape: 1000mm(+)/1000mm(-)
(Including connector)	
No. of Cells	120 (6×20)
Packing	37pcs/pallet, 1148pcs/40HQ
Glass	3.2 mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible

Operating Parameters

Maximum system voltage	1000V/1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	20A
Snow load, frontside	5400Pa
Wind load, backside	2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

Electrical Characteristics(STC)

Module Type	MS325MB-60H	MS330MB-60H	MS335MB-60H	MS340MB-60H	MS345MB-60H
Maximum Power (P _{max})	325W	330W	335W	340W	345W
Open-circuit Voltage (V _{oc})	40.4V	40.6V	40.8V	41.0V	41.2V
Maximum Power Voltage (V _{mp})	33.5V	33.7V	33.9V	34.1V	34.3V
Short-circuit Current (I _{sc})	10.27A	10.33A	10.39A	10.46A	10.53A
Maximum Power Current (I _{mp})	9.71A	9.80A	9.89A	9.98A	10.06A
Module Efficiency (%)	19.26%	19.56%	19.85%	20.15%	20.45%

Power Tolerance

0~+5W

Temperature Coefficient of I_{sc}

0.05%/°C

Temperature Coefficient of V_{oc}

-0.29%/°C

Temperature Coefficient of P_{max}

-0.37%/°C

Standard Test Environment

Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

Electrical Characteristics(NOCT)

Module Type	MS325MB-60H	MS330MB-60H	MS335MB-60H	MS340MB-60H	MS345MB-60H
Maximum Power (P _{max})	245W	249W	253W	257W	261W
Open-circuit Voltage (V _{oc})	39.4V	39.7V	40.1V	40.4V	40.7V
Maximum Power Voltage (V _{mp})	32.1V	32.4V	32.7V	33.0V	33.3V
Short-circuit Current (I _{sc})	8.11A	8.18A	8.22A	8.28A	8.32A
Maximum Power Current (I _{mp})	7.63A	7.69A	7.74A	7.79A	7.84A

Standard Test Environment

Irradiance 800W/m², Cell temperature 20°C, Spectrum AM1.5, Wind speed 1m/s